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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 03/01218

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: E05F 15/14**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: E05F**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## EPO-INTERNAL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5316365 A (H.W. KUHLMAN ET AL), 31 May 1994 (31.05.94) --	
A	US 5046283 A (D.E. COMPEAU ET AL), 10 Sept 1991 (10.09.91) --	
A	US 4640050 A (Y. YAMAGISHI ET AL), 3 February 1987 (03.02.87) --	
A	US 5507119 A (K. SUMIYA ET AL), 16 April 1996 (16.04.96) --	

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

8 Sept 2003

12-09-2003

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5979114 A (M.E. CLARK ET AL), 9 November 1999 (09.11.99) -- -----	

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

26/07/03

International application No.	
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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